Title Terms: PRINT; MULTICOLOUR; DESIGN; HEAT; SEAL; FILM Derwent Class: A35; A93; F07; F09; G05; P42; P73; P75; P78; T04 International Patent Class (Main): B41M-005/035; B44C-001/165; B44C-001/17 International Patent Class (Additional): B05D-001/14; B05D-001/16; B32B-005/22; B44C-001/18; D06P-005/28; D06Q-001/00; D06Q-001/14 File Segment: CPI; EPI; EngPI 1/5/5 DIALOG(R) File 351: Derwent WPI (c) 2003 Thomson Derwent. All rts. reserv. 010026666 **Image available** WPI Acc No: 1994-294379/199436 XRAM Acc No: C94-134274 XRPX Acc No: N94-231506 Laminated applique for applying to a textile substrate - has a layer of flock fibres flocked in a desired motif or pattern onto an adhesive applied to one side of a plastic sheet material Patent Assignee: HIWELD LTD (HIWE-N) Inventor: KAY C; LION J P Number of Countries: 048 Number of Patents: 005 Patent Family: Patent No Kind Date Applicat No Kind Date WO 9419530 A1 19940901 WO 94IE8 Α 19940222 199436 AU 9460431 Α 19940914 AU 9460431 Α 19940222 199502 A1 19951206 EP 94906990 EP 685014 Α 19940222 199602 WO 94IE8 19940222 EP 685014 B1 19970521 EP 94906990 Α 19940222 199725 WO 94IE8 Α 19940222 DE 69403323 19970626 DE 603323 E Α 19940222 199731 EP 94906990 Α 19940222 WO 94IE8 Priority Applications (No Type Date): IE 93122 A 19930222 Cited Patents: FR 2659094; GB 2010123; GB 2245220; US 465478; US 5059452 Patent Details: Patent No Kind Lan Pg Filing Notes Main IPC A1 E 17 D06Q-001/14 WO 9419530 Designated States (National): AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE AU 9460431 D06Q-001/14 Based on patent WO 9419530 EP 685014 A1 E D06Q-001/14 Based on patent WO 9419530 Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE EP 685014 B1 E 10 D06Q-001/14 Based on patent WO 9419530 Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE DE 69403323 D06Q-001/14 Based on patent EP 685014 Based on patent WO 9419530 Abstract (Basic): WO 9419530 A An applique comprises a layer of flock fibres (5a:5b) flocked in a

desired motif or pattern onto an adhesive (4) applied to one side of a plastic sheet material (3). The adhesive is applied through screens only in the areas to which the fibres are to be flocked and the flock fibres of at least two different colours are be flocked onto the

adhesive in a desired pattern sequentially through separate screens. Pref. the base layer is a PVC sheet and the flock fibres are polyamide fibres. The adhesive to be of a type compatible with both the flock fibre and the base material. The applique can be complete with a support base (2) of stiff paper, peelably attached to the underside of the base layer.

USE/ADVANTAGE - A multi colour applique for applying to a textile substrate. Provides an applique which has high colour fastness and stability after washing and also having high light fastness and abrasion resistance and pleasant tactile properties.

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Title Têrms: LAMINATE; APPLIQUE; APPLY; TEXTILE; SUBSTRATE; LAYER; FLOCK; FIBRE; FLOCK; MOTIF; PATTERN; ADHESIVE; APPLY; ONE; SIDE; PLASTIC; SHEET; MATERIAL

Derwent Class: A35; A97; F07; G05; P73

International Patent Class (Main): D06Q-001/14

International Patent Class (Additional): B32B-005/08

File Segment: CPI; EngPI